MusicMatch™ Software

The MusicMatch Jukebox

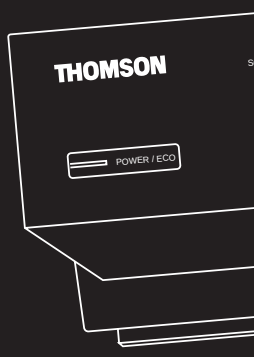
This music management software, to be installed on your PC, allows you to compress music files recorded from you audio CDs into MP3 format and stores them on your PC.

- It makes the search and download of Internet music easier,
- It allows for the management of compressed music and the creation of your own playlist,
- The Jukebox is a true audio player installed on your PC,
- It gives access to thousands of net radios available on the web today.

You can download music files encoded in MP3 from several Internet sites like www.mp3.com, www.thomson-music.com.

PLAYING MP3

- Use .mp3 as the extension when converting audio files into MP3 for saving onto CD-R(W) or CD-ROM, e.g. Rocky08.mp3. Do not use any other extension e.g. .doc, .pdf.
- Do not use the .mp3 extension for other text or non-audio data files as this may result in serious malfunction and harmful noise interference.



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92648 Boulogne Cedex
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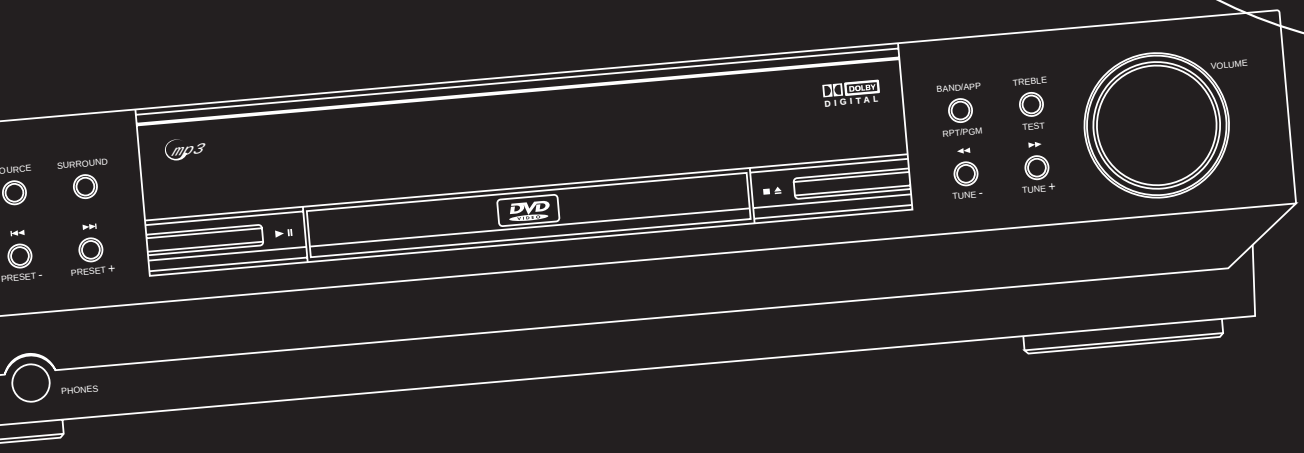
55199360
www.thomson-multimedia.com

THOMSON

user manual



DPL900VD

Safety Information

Thomson Information

CAUTION!

Invisible laser radiation when open. Avoid exposure to beam. Class 3B laser product. This system must be opened only by qualified technicians to prevent accidents caused by the laser beam.

LASER λ = 780 nm, P max = 5 mW

Rating Information: At bottom of the unit
this unit comply with the existing requirements

CE

In accordance with the rating plate of the unit, this unit complies with current standards concerning electrical safety and electromagnetlc compatibility.

Please respect the environment Before throwing any batteries away, consult your distributor who may be able to take them back for specific recycling.

Have a Blast- Just Not in Your Eardrums
Make sure you turn down the volume on the unit before you put on headphones. Increase the volume to the desired level only after headphone are in place.

ADVARSEL!
USYNLIG LASERSTRÅLNING VED ÅBNING NAR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNGDÅ UDSAETTELSE FOR STRÅLNING.

VORSICHT!
UNSICHTBARE LASERSTRALUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITS- VERRIEGELUNG ÜBERBRÜCKT.
NICHT DEM LASERSTRAHL AUSSETZEN!

CAUTION – INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS FAILED OR DEFEATED. AVOID EXPOSURE TO BEAM.

ATTENTION – RAYONNEMENT LASER INVISIBLE DANGEREUX EN CAS D'OUVERTURE ET LORSQUE LA SECURITE EST NEUTRALISEE. EXPOSITION DANGEREUSE AU FAISCEAU.

CLASS 1 LASER PRODUCT
LASER KLASSE 1
APPAREIL A LASER DE CLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

VARNING–
OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAN ÄR URKOPPLADE. BETRAKTA EJ STRÅLEN.

VARO!
AVATTAESSA JA SOUJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE. LASERSÄTEILYLLE ÄLÄ KATSO SÄTEESEEN.

For UK Only

CONNECT THE MAIN LEAD INTO A MAINS POWER SOCKET

POWER SUPPLY **230V**. It must not be connected to D.C. mains.

Note; The mains lead of the set is fitted with a molded plug. If the mains socket are not compatible or if for any reason the plug is removed please follow the directions below. The molded plug cannot be rewired and if removed must be disposed of safely.

DO NOT under any circumstances plug the severed plug into any mains socket as this could result in electric shock.

Important: If the plug is removed, rewire the new plug as follow:

The wires in the mains plug are coloured in accordance to the following code:

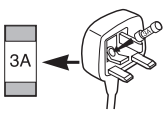
BLUE = NEUTRAL/BROWN = LIVE

If the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

BLUE wire to the terminal coded N (Neutral) or coloured black.

BROWN wire to the terminal coded L (Live) or coloured red.

DO NOT make any connection to the terminal in the plug which is marked by the letter E or by the earth symbol or coloured green or green and yellow.



A fused plug must be fitted with a 3A fuse approved by ASTA or BS1362 and fuse covers must be always be securely replaced. If you set does not work, the fuse may be blown.

WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.
SEE MARKING ON BOTTOM / BACK OF PRODUCT		

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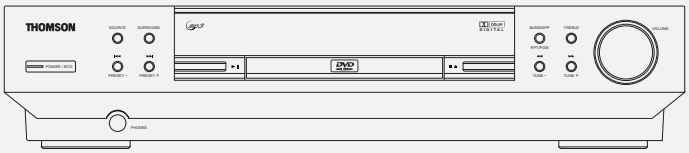
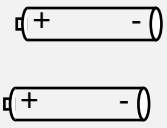
Getting Started

Unpacking the DVD Receiver

You should receive the following items:

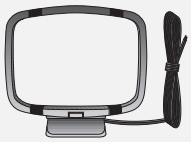


One DVD receiver unit

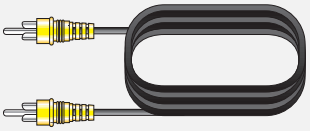


One pair of “AA” batteries

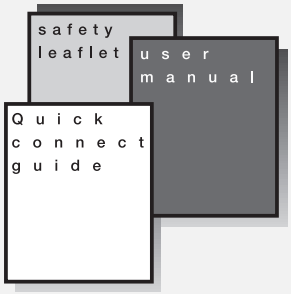
One Pig-Tail antenna wire



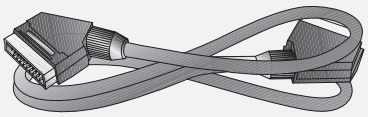
One external AM loop antenna



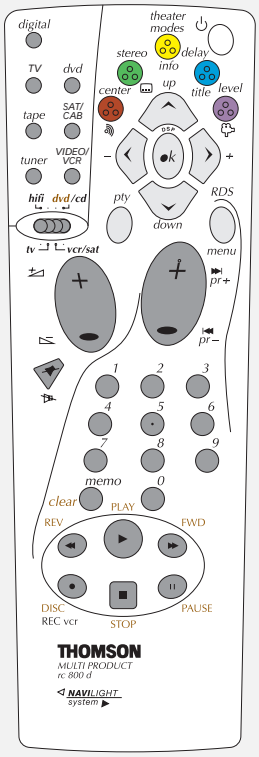
one video cable (single wire) with yellow RCA connectors;



- one instruction book;
- one safety leaflet;
- one Quick Connection Guide



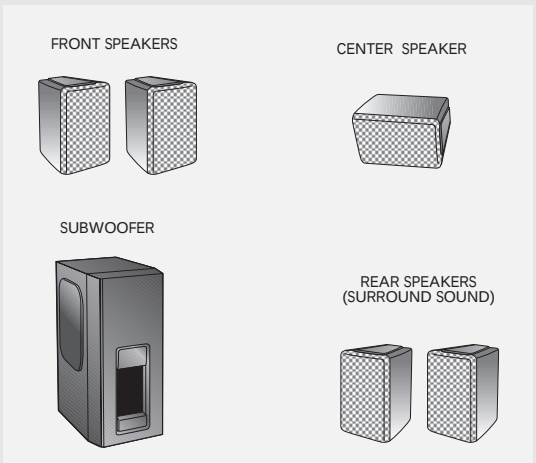
one SCART cable;



One RCA Universal Remote Control (RC800D)

Unpacking The Speakers

- one set of speakers including 1 set of left and right front speakers, 1 centre speaker, 1 subwoofer and 1 set of left and right rear speakers.



- 6 speaker cables including:

1 X blue/black cable for *center speaker*

2 X red/black cable for *front speakers*

2 X grey/black cable for *rear speakers*

1 X brown/black cable for *subwoofer*

Inserting Batteries into Remote Control

1. Press the part indicated and push in the direction of the arrow to opent the battery compartment door.

2. Insert two AA(LR06) batteries according to the + and - signs on the battery compartment.

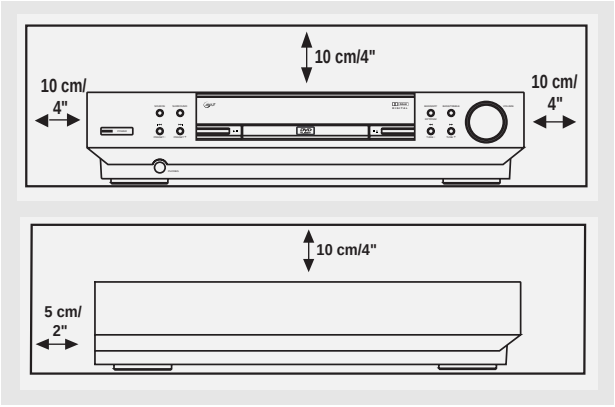
3. Press to close the cover.

To use the remote control, point it directly at your receiver.

Set up and Maintenance of the Receiver

IMPORTANT NOTE

• Provide spaces for sufficient ventilation as indicated below. If the space is insufficient, the unit may overheat resulting in malfunction and shorter life time.



• Do not connect to the AC power cords until all connections are completed.

• Do not use your set immediately after transferring it from a cold place to a warm place: there is risk of condensation.

• Do not expose your set to water and excessively high temperatures.

• After having disconnected your set, clean the case with a soft cloth, or with a slightly damp leather chamois. Never use strong solvents.

Protect your Components from Overheating

• Do not block ventilation holes in any component. Arrange the components so that air can circulate freely.

• Do not stack components directly on top of each other.

• Allow adequate ventilation when placing your components in a stand.

• Place the receiver near the top shelf of the stand so heated air rising from it will not affect other components.

About CDR, CDRW, Audio MP3, Compact Disk Audio (CDA), DVD Video, DVD Audio

This model DPL900VD is compatible to play CDR, CDRW, Audio MP3, Compact Disk Audio (CDA), Video Compact Disk (VCD) and DVD Audio.

DTS: This unit cannot playback the DTS sound format. Image may appear but no sound will be output.

When playback a DVD-Audio disk, this model is able to play any Dolby Digital 5.1 (AC3) Surround mix content only, but not the DVD-Audio Advanced Resolution Surround sound (6 channels) or Stereo sound (2 channels) content.

Please watch the format of your disk and read the disk information for further contents information.

NOTES ON CD-R/RW DISC

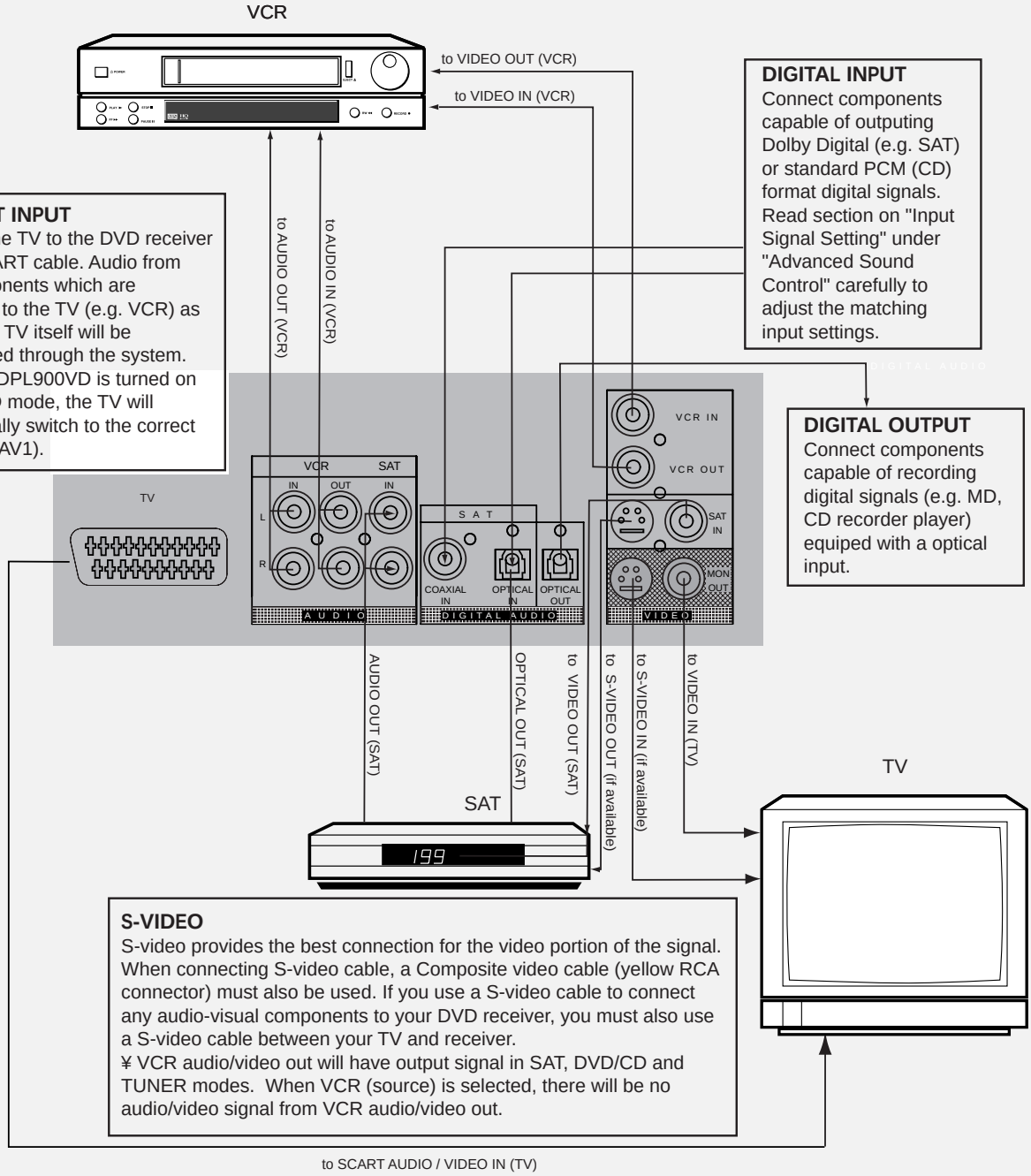
This unit is compatible with CD-RW/ CD-R discs for playback.

• Do not affix any type of labels to either side (recordable or labeled side) of a CD-R/RW disc as this may result in the unit malfunctioning.
• To avoid damages to the CD-R/RW disc, do not open the disc compartment door while the disc is being read.
• Do not load an unrecorded CD-R/RW disc into the unit. This may take a longer time to read the disc.
• Playback capability for CD-RW discs may vary due to variations in the quality of the CD-RW disc and the recorder used to create the disc.

Getting Started

Connecting to Audio-Visual Components

ANALOG INPUT
Alternatively, if you have no VCR or SAT, you can connect any other compatible components like TAPE player, TV to your DVD receiver via the VCR/SAT input.



TV SCART INPUT
Connect the TV to the DVD receiver with a SCART cable. Audio from any components which are connected to the TV (e.g. VCR) as well as the TV itself will be broadcasted through the system. When the DPL900VD is turned on in DVD/CD mode, the TV will automatically switch to the correct input (e.g. AV1).

DIGITAL INPUT
Connect components capable of outputing Dolby Digital (e.g. SAT) or standard PCM (CD) format digital signals. Read section on "Input Signal Setting" under "Advanced Sound Control" carefully to adjust the matching input settings.

DIGITAL OUTPUT
Connect components capable of recording digital signals (e.g. MD, CD recorder player) equiped with a optical input.

S-VIDEO
S-video provides the best connection for the video portion of the signal. When connecting S-video cable, a Composite video cable (yellow RCA connector) must also be used. If you use a S-video cable to connect any audio-visual components to your DVD receiver, you must also use a S-video cable between your TV and receiver.
¥ VCR audio/video out will have output signal in SAT, DVD/CD and TUNER modes. When VCR (source) is selected, there will be no audio/video signal from VCR audio/video out.

EN

Digital Connections

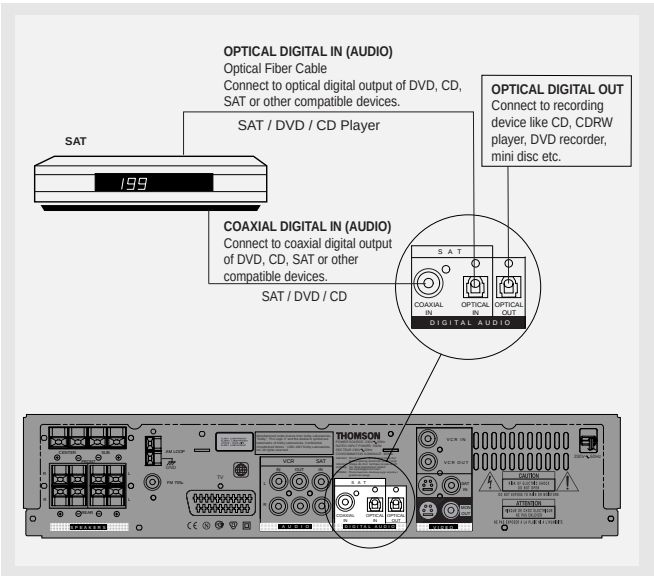
If you have a SAT receiver DVD player or CD player with a digital output, you can make use of an optical digital connecting cord (not supplied) or coaxial digital connecting cord (not supplied) to carry the audio portion of the signal and enjoy Dolby Digital or digital stereo sound quality. One optical or coaxial cable is needed for each SAT receiver, DVD player or CD player. When optical or coaxial cable is used, the analog audio cables are still needed if recording through a tape or VCR is desired. This receiver provides one optical and one coaxial digital input for the connection of your components. Please connect your components (e.g. DVD, SAT or CD) to the appropriate digital inputs and select the appropriate source (see below).

NOTE

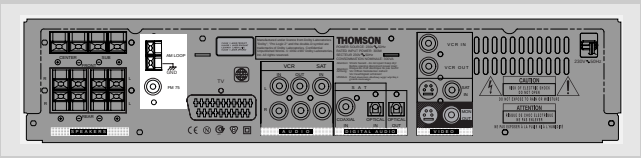
Optical and coaxial cables carry only the audio portion of the signal. A video connection must also be established by connecting a video cable to the (SAT) video input.

Read instructions carefully when connecting components to the receiver.

Digital In Jacks can accept Dolby Digital (AC-3), or PCM signals when compatible components are connected.


OPTICAL DIGITAL IN (AUDIO)
Optical Fiber Cable
Connect to optical digital output of DVD, CD, SAT or other compatible devices.
SAT / DVD / CD Player
OPTICAL DIGITAL OUT
Connect to recording device like CD, CDRW player, DVD recorder, mini disc etc.
SAT
COAXIAL DIGITAL IN (AUDIO)
Connect to coaxial digital output of DVD, CD, SAT or other compatible devices.
SAT / DVD / CD
S A T
COAXIAL IN
OPTICAL IN
OPTICAL OUT
DIGITAL AUDIO
THOMSON

Connecting the Antennas

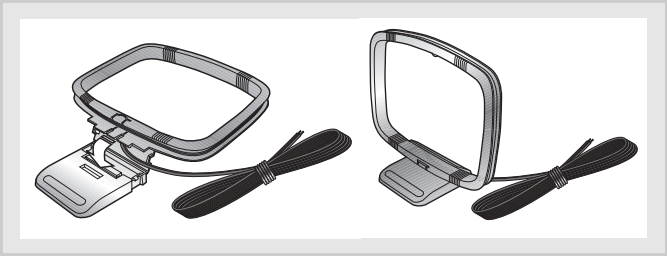


The AM and FM antennas connect to the AM and FM terminals on the system's back panel.

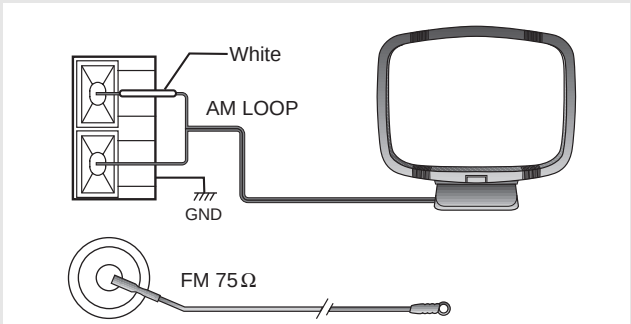
They must be hooked up in order to receive clear reception.

AM Loop Antenna and FM Indoor Antenna

1. Uncoil the AM Antenna wire.



2. Press down on the Antenna tab to open the terminal *(Refer to the illustration on the bottom of page 6)*



NOTE

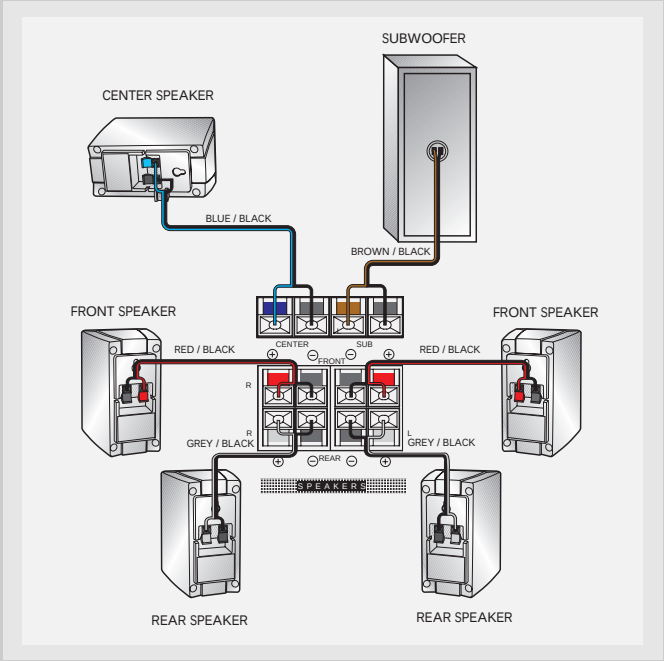
Make sure the white wire on the AM loop antenna is inserted into the top terminal.

HINT

• For FM reception, extend antenna to its full length and arrange the Antenna at different parts of the room until the reception is optimized.
• For AM reception, rotate the antenna horizontally to get better reception.

Getting Started

Connecting the Speakers



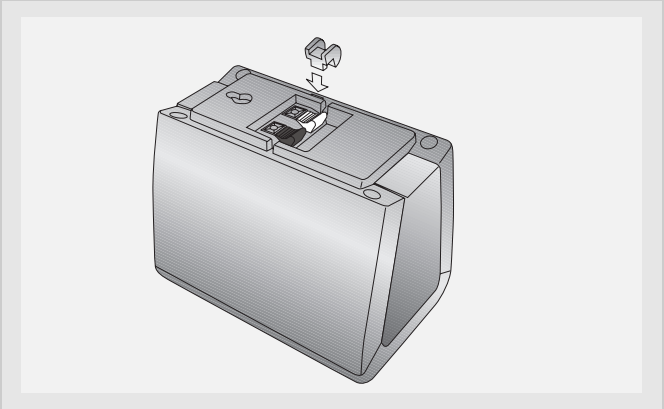
Speakers

There are 6 speakers equipped with the unit (2 front, 1 center, 2 rear, 1 subwoofer). In order to enjoy good surround effects all six speakers need to be connected to the receiver

For better sound quality, Center speaker, rear speakers and Subwoofer should also be connected. Adding center and rear speakers will enhance surround effects. Adding a Subwoofer will increase bass response.

If you want to enjoy full range of sound effects, it is a must to use the subwoofer with the speakers to maintain a dequate bass signal.

Center Speaker Setup



Speaker cords

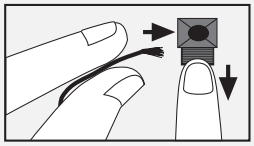
1 for each speaker, is needed for connection. Twist the stripped ends of speaker cord about 2/3 inch (15 mm). Press down on the tab to open the terminal and insert the wire. Snap the tab closed.

To ease speaker connections, the speaker cords and the terminals are color-coded.

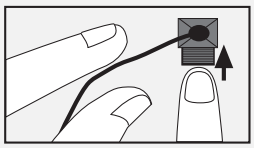
- Red/Black (Front Speakers),
- Blue/Black (Center Speaker)
- Grey/Black (Rear Speakers).
- Brown/Black (Subwoofer)

Connect the speaker wire (red/black wire) to the back of L, R front speakers (red / black terminals) and to the corresponding color terminals on the rear of the receiver. Do the same for center speaker (with blue/black terminal), rear speakers (with grey/black terminals) and the subwoofer (with brown/black terminal).

Antenna and Speaker Wire Connection



Push Speaker terminal tab down to insert wire.



Release tab to lock wire in the terminal.

NOTE: Make sure the insulation is completely removed from the ends of the Antenna and speaker wires at all connection points.

Speaker Polarity

When connecting the speakers, make sure the polarities ("+" speaker wire to "+" on the receiver) of speaker wires and terminals are matched. If the cords are reversed, the sound will be distorted and will lack bass ("out of phase" effect).

Connecting the Subwoofer

Connect the subwoofer with the speaker wire (brown/ black) provided.

Positioning your speaker

1 Left, Right (Front Speakers)
They carry primarily music and sound effects

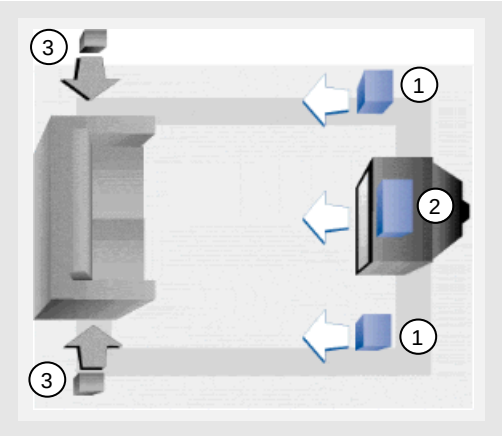
2 Center
In surround mode, the center speaker carries much of the dialogue as well as music and effects. It should be set between the left and right speakers.

3 Surround (Rear Speakers)
Their overall sound balance should be as close as possible to the front speakers. Proper placement is vital to establish an evenly distributed sound field.

Subwoofer
A subwoofer is designed to reproduce powerful low bass effects (explosions, the rumble of spaceships, etc.) which dramatically heightens involvement with the action on the screen. It is therefore recommended to connect sub-woofers when small speakers are used.

Magnetic shielding
Speakers placed less than two feet from the TV set must be magnetically shielded in order to prevent picture distortion. Front and center speakers provided with DPL900VD are magnetically shielded to protect your TV set.

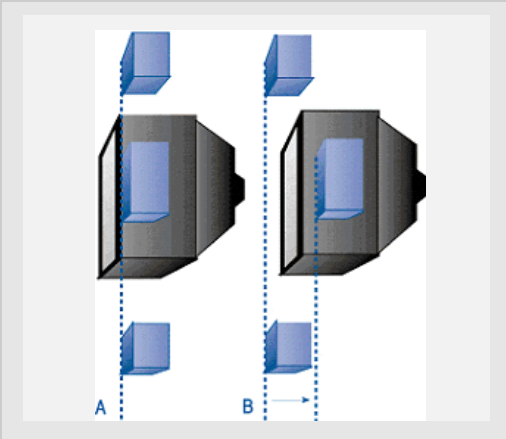
It is not recommended to place the rear speakers near the TV set.



Courtesy Dolby Laboratories

Front Speaker Placement
Even if you can't duplicate this ideal home theater setup exactly, the suggestions for speaker placement that follow will help you get good results.

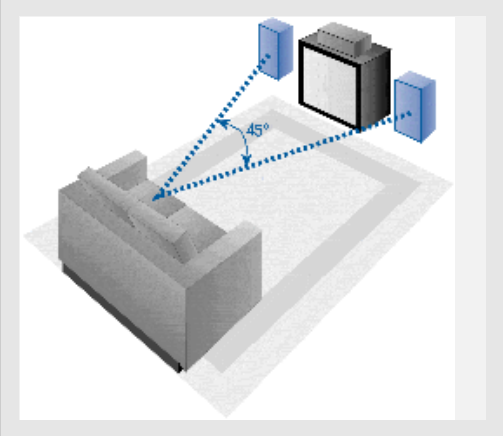
Alignment
Align the center speaker evenly with (A), or slightly behind (B), the left and right speakers, but not ahead of them.



Courtesy Dolby Laboratories

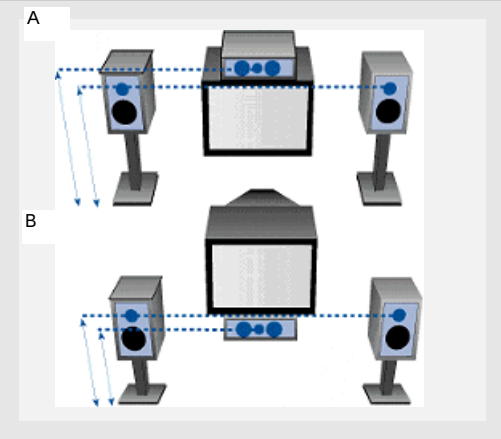
Advanced Setting

Angle
Placing the left and right speakers to form a 45-degree angle with your favorite viewing position will duplicate the soundtrack mixer's perspective.



Courtesy Dolby Laboratories

Height
The mid- and high-frequency drivers of the three front speakers should be as close as possible to the same height. This often requires placing the center speaker directly atop (A) or beneath (B) the TV set.

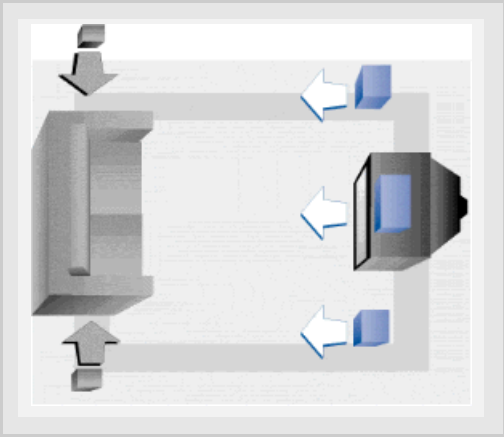


Courtesy Dolby Laboratories

Preferred surround placement

Location

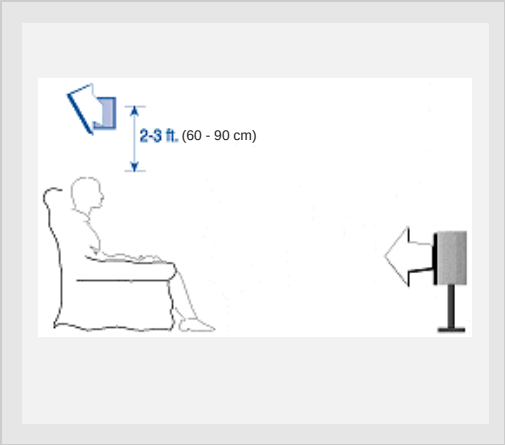
If possible, place surround speakers to either side of the listening area, not behind it.



Courtesy Dolby Laboratories

Height

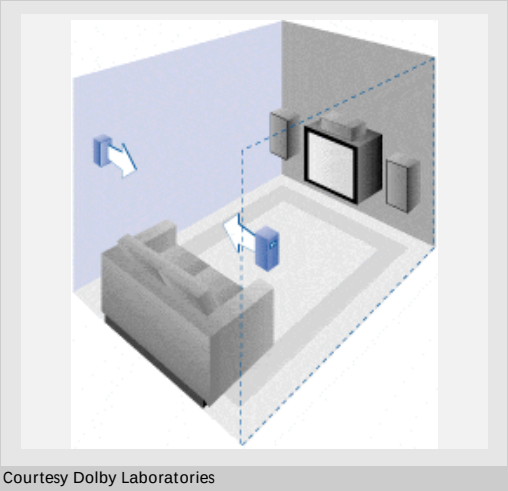
If space permits, install surrounds 2-3 feet (60 - 90 cm) above viewers. This helps to minimize localization effects.



Courtesy Dolby Laboratories

Aiming

Aiming surrounds straight across the room, not down at viewers, helps create a more open, spacious surround sound field.

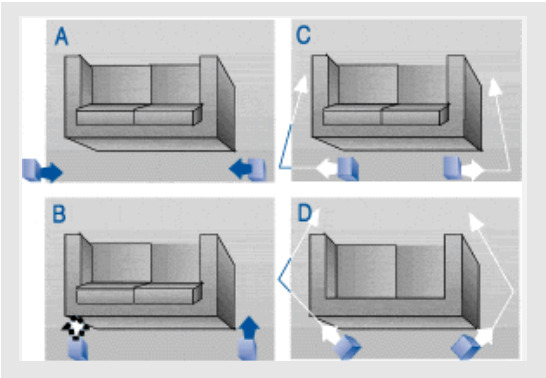


Courtesy Dolby Laboratories

Advanced Setting
Alternative Surround Placement

Rear wall

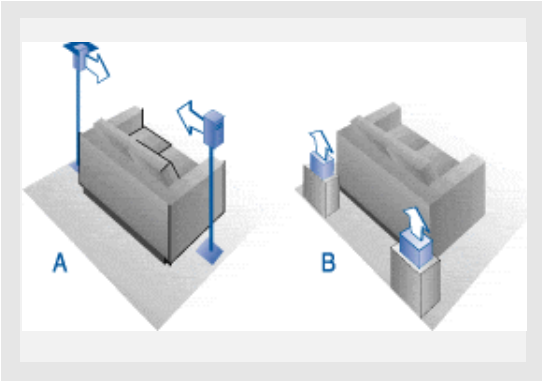
If rear wall mounting is the only choice, aim the speakers at each other (A), towards the front (B) or even towards the sidewalls (C, D). Experiment with placement until surround sounds seem to envelop you, rather than coming from behind you.



Courtesy Dolby Laboratories

No adjacent walls

Surrounds can go on stands facing each other to approximate the preferred sidewall mounting (A), or to the sides or rear of the viewing area aimed upwards. In the latter case, they can go right on the floor, or preferably, a few feet off the floor such as on end tables (B).

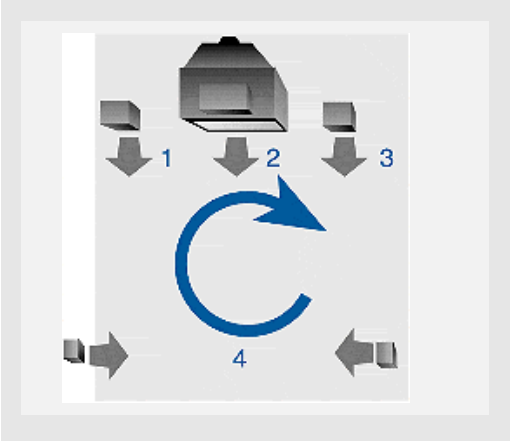


Courtesy Dolby Laboratories

Test Tone / Channel balance

Channel balance

Your receiver is equipped with a test signal generator for balancing the channels. As the signal "travels" from channel to channel, adjust the level controls until each channel plays at the same loudness level. (details see operation of test/setup)



Courtesy Dolby Laboratories

Level adjustment & surround channel level expectation

Even though you adjust the surround channel to be as loud as the others on the test signal, you'll find that on actual program material the surround channel is usually much lower than the front. Don't be tempted to readjust the surround level; program producers use surround mostly for subtle atmosphereics and ambience, and only rarely for special effects. A good surround mix doesn't call attention to itself; if it did, it would soon become distracting.

NOTE

The system is equipped with Dolby Digital, and manufactured under License from Dolby Laboratories.

DOLBY DIGITAL

Dolby Digital
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", "Pro Logic II" and the double-D symbol are trademarks of Dolby Laboratories. Copyright 1992-1997 Dolby Laboratories, Inc. All Rights Reserved.

Using Headphones

To listen privately through your audio system, use the PHONES jack on the receiver. However, make sure you turn down the volume before you put on the headphones. Increase the volume to the desired level after headphones are in place.

Once headphones are connected, "HEADPHONE DOWNMIX 2 CHANNEL" will scroll on display. This feature automatically converts multi-channel outputs to 2 channel stereo for your listening pleasure.

Hearing Comfort & Well-Being

- Do not play your headset at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.

Factory Setting

The DPL900VD is preset to the following setting when you first turn on the power
Source = DVD/CD
Volume setting = 45 dB
Treble = 0 dB

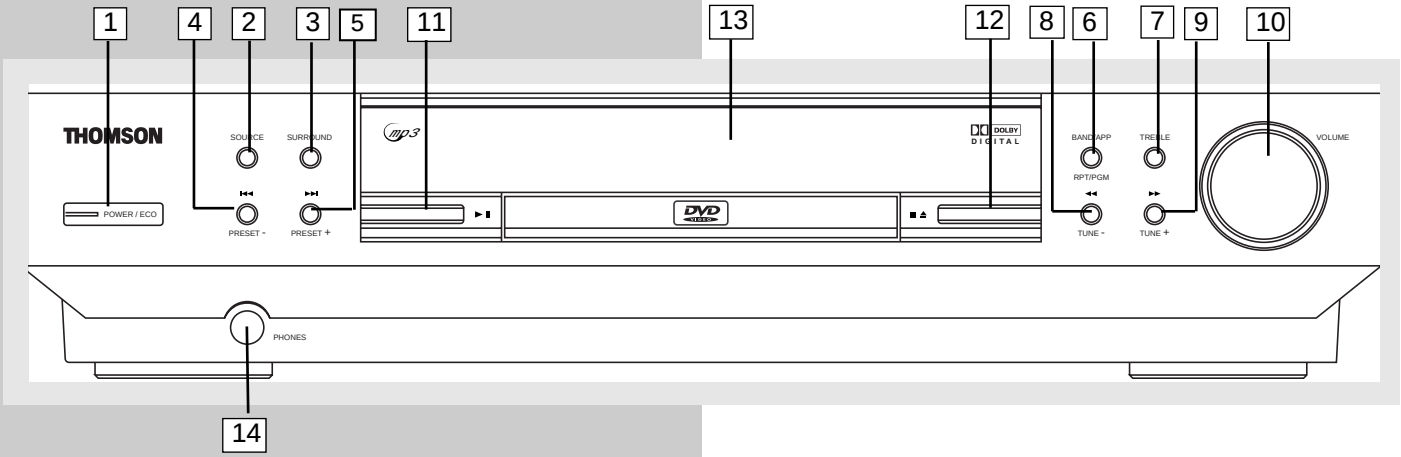
Restore to Factory Settings

You can always restore all settings back to its original state. When the receiver is in STANDBY mode, press accordingly on the main unit to restore all settings back to factory default :
PRESET - → PRESET + → TREBLE

NOTE

All preset radio stations and surround sound setting will be lost after factory setting is restored.

Operating Your Receiver



Receiver Controls

1. POWER / ECO
• To turn the unit on/ off. When the system is turned on, the unit will go to Standby mode, then press the SOURCE button on the unit to power the unit up in the last mode used.
• When the unit is in standby mode, press the Source button to power on the unit.

2. Source Buttons
• To select input source. For example, DVD/CD, VCR1 etc.
• Press and hold for delay settings (In surround / multichannel mode only).

3. SURROUND
• Press repeatedly to select the surround sound setting or Digital Sound Processor (DSP) mode you want. Refer to "Advanced Sound Control" on page 16.)
• Press and hold to activate speaker Test Tone, use the Adjustment buttons on the remote to adjust the settings.

4. PRESET - / SKIP REVERSE
• To move back to the beginning/previous preset memory location in tuner mode.
• To skip to the beginning/previous track in CD mode and the beginning/previous chapter in DVD mode (only while playing).

5. PRESET + / SKIP FORWARD
• To go to the next preset memory location in tuner mode.
• To skip to the next track in CD mode and the next chapter in DVD mode (only while playing).

6. BAND /APP / RPT / PGM
• In Tuner mode, press to select between radio BANDS or press and hold to enter AUTOMATIC PRESET PROGRAMMING mode.
• In DVD/CD mode, press to select among REPEAT options (only while playing) or press and hold to enter **PROGRAM** mode (only in stop mode).

7. TREBLE
• To adjust TREBLE, press this button and turn the volume knob to adjust level.
• To increase bass level, increase the subwoofer volume.
• Press and hold for Random function in CD/MP3 playback.

8. TUNE - / FAST REVERSE
• In tuner mode, press to tune down on the radio frequency or press and hold to to search down .
• In CD and DVD mode, press to fast reverse.
Press repeatedly to vary the speed of fast reverse.
• In pause mode, press for slow reverse.

9. TUNE + / FAST FORWARD
• In tuner mode, press to tune up the radio frequency or press and hold to search down.
• In CD and DVD mode, press to fast forward.
Press repeatedly to vary the speed of fast forward.
• In pause mode, press for slow forward.

10. VOLUME
Turn the knob to adjust volume level.

11. PLAY/PAUSE
To play and pause DVD/CD playback.

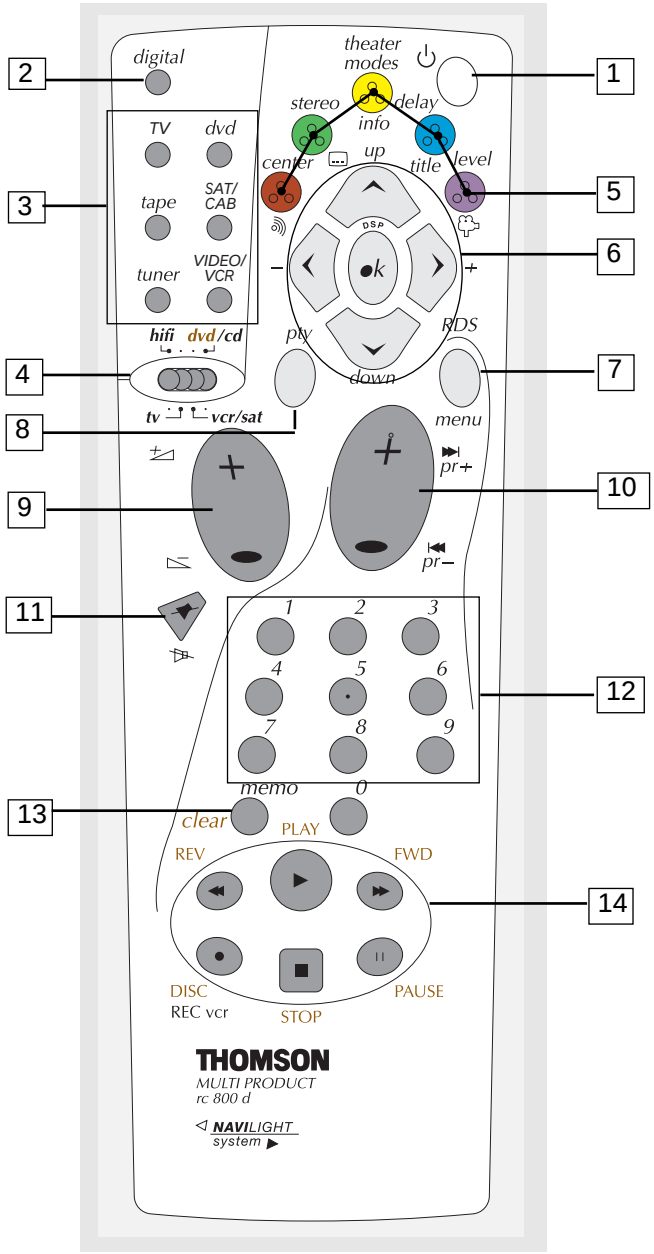
12. STOP/ EJECT
To stop DVD/CD playback. Press to eject disc tray.

13. Display
To display current status of the receiver.

14. PHONES
Plug your headphones (not supplied) into it for your private enjoyment. Speakers will be off when phones are inserted.

Your Remote Control

Please be sure you have inserted the batteries into the remote control (see relevant section on page 3.)



1. ON/OFF
To turn on or off the receiver and other auxiliary components (see page 14 “Using the Remote to Control Additional Components”).

2. Digital
Select the way your SAT external audio/video devices are connected to the receiver (Analog, Optical or Coaxial) through the SAT audio input.

3. Source Buttons
To turn on and select various audio/ video sources and enable related functions.

4. Source Selector
To select which unit/mode you want to control with your remote.

5. DVD/CD Modes / Speaker Settings
To select menu items in DVD/CD mode.
To select speaker settings in AV receiver mode.
• *center* - In HiFi mode, press to select 3 STEREO surround mode.
Audio Language - In DVD mode, press to access language selection menu.
During VCD playback, press for Audio Channel selection (Stereo / Left only / Right only)
• *stereo* - Selects stereo mode.
Subtitle - Press to turn subtitles on/off. Press and hold to access subtitle selection menu.
• *theater modes* - Selects among theater modes (DOLBY PL II MOVIE, DOLBY PL II MUSIC, DOLBY PRO LOGIC, 3 STEREO, ARENA, JAZZ, THEATER, STADIUM, DISCO, STEREO)
info - shows on-screen banner.
• *delay* - In HiFi mode, press to select speaker delay settings (between speakers and your favorite listening position).
title - In DVD mode, goes to Title on screen menu.
During VCD playback, press to toggle between PBC on / off.
• *level* - Adjusts volume of individual speakers. Press repeatedly and the display will toggle among different channels (Left front speaker, Right front speaker, Center speaker, Left rear speaker, Right rear speaker and Subwoofer). Press the left and right arrow buttons beside OK button for adjustment
angle - selects different screen display angles if available.

6. Adjustment Buttons
Use arrows to move around on menus, press OK to enter/confirm selection.
Press OK to show Sleep, Dimmer or Night mode
• SLEEP Mode
• DIM Mode
• EQ Mode (Stereo)
• NIGHT Mode (Dolby Digital Only).
When the display shows the setup you want to change, press the left and right arrow buttons beside OK button to make changes, then press OK to finalize your choice.

7. RDS / menu
• In Tuner mode, press to show Radio Data System information if available. (Frequency station, Station name, program type, clock and radio text)
• In DVD mode, press for menu setup for DVD title.

8. pty
• In Tuner mode, press to activate search by program type.

9. Volume + / Volume -
To adjust the volume.

10. pr + / pr -
To select programmed stations in TUNER mode.
To skip to the next or previous chapter or track in DVD, CD & MP3 mode.

11. MUTE
To mute all audio outputs.

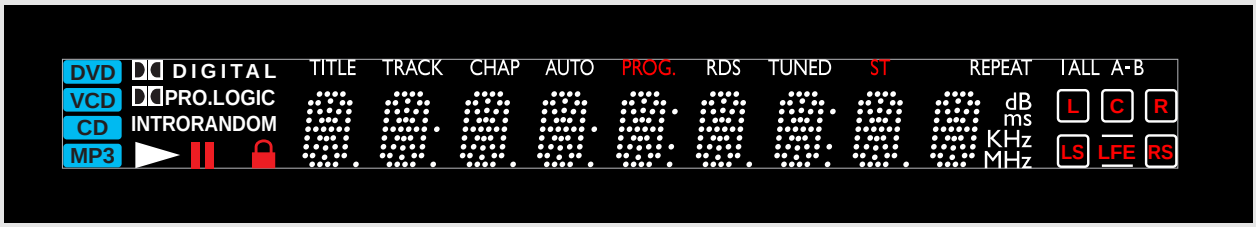
12. Number Buttons
• In Tuner mode, to select a preset station.
• In DVD/CD mode, to select a track to be played (Audio CD only).

13. memo / clear
• In Tuner mode:
- Press AM/FM
- Press *memo / clear* to enter preset program function to store desired frequency in memory. The flashing word PROG. in red will appear in display. Input your desired channel number while the word is still flashing and the frequency will be stored. (For details, refer to "Storing Radio Stations” under “Manual Preset” on page 38)
• In DVD/CD mode, press to clear program settings.

14. Operation Buttons
• TUNER, press AM/FM on the remote to enter tuner mode. Press REVERSE and FORWARD keys to tune down or up the radio frequency.
• DVD/CD, press DVD to enable PLAY, RECORD, STOP and PAUSE keys. The remote control currently operates most Thomson, RCA and GE products, but it can be programmed to operate devices from other manufacturers

Operating Your Receiver

Display



DVD / VCD / CD / MP3

• Unit in DVD, VCD, CD or MP3 mode.

DIGITAL

• Audio output is in Dolby Digital mode. (For DVD and SAT coaxial/optical inputs only)

PRO.LOGIC

• Audio output is in Dolby PL II Movie, Dolby PL II Music or Dolby Prologic mode.

INTRO

• Track sampling activated.

RANDOM

• Random playback mode activated.

• Currently in playback mode.

• Currently in pause mode.

PARENTAL LOCK

• Parental lock is on and a password is required to view DVDs above a specific rating level.

TITLE

• Title number for DVD playback.

TRACK

• Track number being played.

CHAP

• Chapter location at which DVD is currently at.

AUTO

• Auto programming in tuner mode is activated

PROG.

• Program mode is activated.

RDS

• Radio data system is activated.

TUNED

• Tuner station detected.

ST

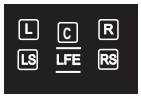
• Tuner stereo signal detected.

REPEAT / REPEAT 1 / REPEAT ALL / REPEAT FOLDER (MP3 ONLY)

• CD, MP3 and DVD in repeat mode.

KHz / MHz

• Tuner frequency unit.

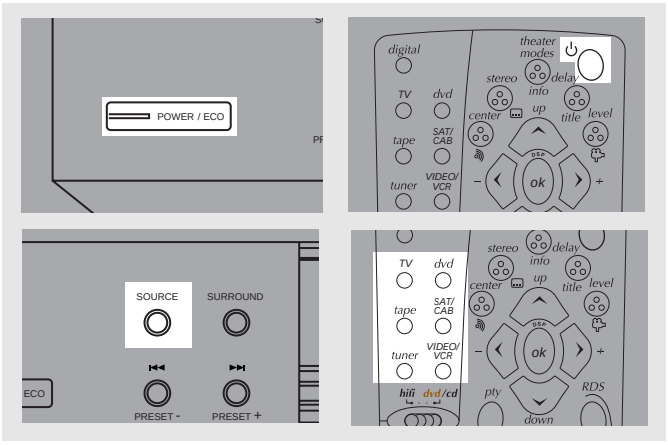


• Speaker Icons.

EN

Switching on /off

• To switch on the receiver, press **POWER/STANDBY** button on the receiver once to enter standby mode. Press **SOURCE button** on the receiver or one of the source buttons on the remote control to power on the receiver. (See illustration below)



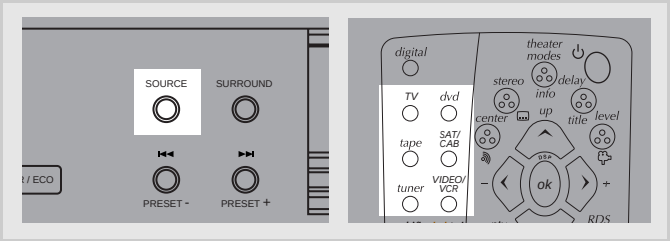
• To switch off the unit completely, press the **POWER/ ECO** button on the receiver.

NOTE

Your receiver has a back up memory to keep your settings like preset radio station for about 2 weeks in case electricity cut occurs. If the receiver is unplugged for more than 2 weeks, all the settings will be lost and re-setting will be necessary.

Selection of Audio/Video source

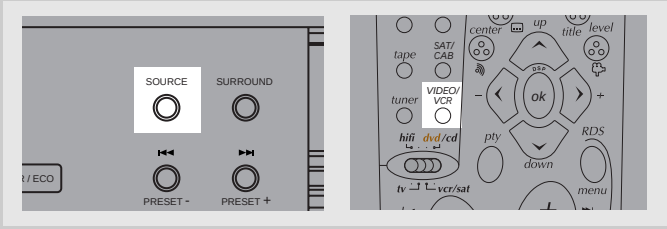
When one of the audio/video source is selected, the audio and video input corresponding to the name will be activated.
The receiver acts as a switching device between all the sources that are plugged into it.



NOTE

Remote control selector must be on hifi.

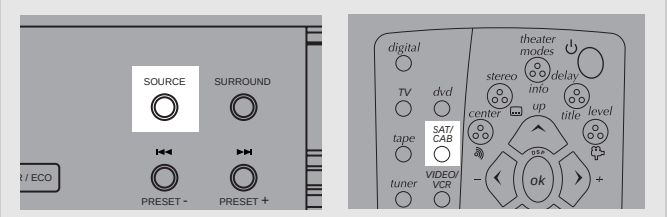
Example 1:
If you connect a VCR player to the VCR input (audio + video) on the receiver and press the **SOURCE** button until VCR1/ANL shows on the display. You will be able to have the sound and image transmitted by the VCR.



NOTE

Remote control selector must be on vcr/sat to operate VCR features.

Example 2:
Based on example 1, the VCR input is selected. If SAT is selected, image and sound from the SAT source will replace the VCR.



NOTE

Remote control selector must be on vcr/sat to operate SAT features.

Operating your Receiver

You can connect up to 3 audio/video sources to this amplifier:

Source button (remote control)	Corresponding connector (receiver back panel)
- DVD/CD	built-in
- FM/AM	built-in
- SAT	SAT IN (audio / video)
- VCR	VCR IN (audio / video)
- TV	TV SCART (audio / video)

When a source is selected, the source name will be shown on the display.

Example: Press **VCR** to select VCR as the source to the amplifier.

NOTE

1. Your receiver has a built in tuner. Just connect the appropriate antenna on the back of the receiver and you will be able to listen to radio stations. (See details in Tuner section)
2. The receiver is also equipped with DVD/CD player. Press the SOURCE button on the main unit or DVD button on the remote to activate the feature.
3. Other sources can be connected to this unit (VCR, SAT etc).
4. Refer to the "Connecting To Audio-Visual Components" section for details on connection.

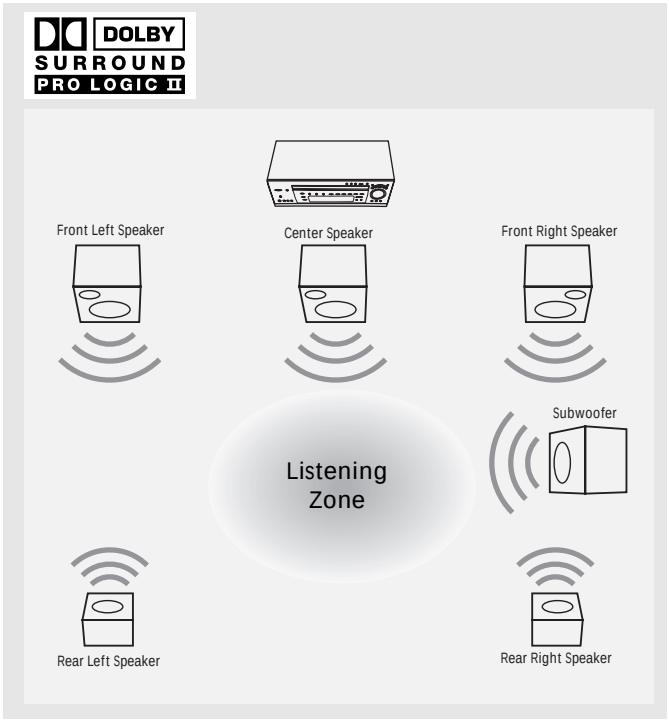
Sound Enhancement Systems

This receiver is equipped with several built-in sound enhancement systems.

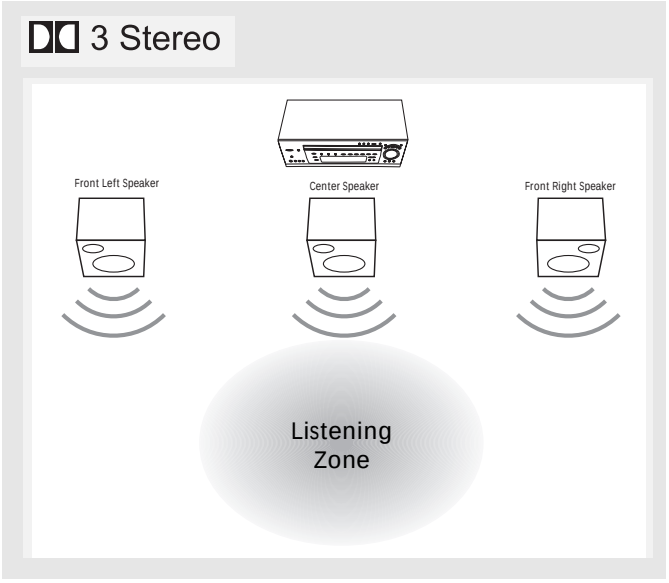
Dolby Pro Logic II and Dolby 3 Stereo

The Pro Logic II mode uses the built-in circuit to steer the Left, Center, Right and Surround left and right channel audio signals and uses all five speakers to play both stereo and Dolby Pro Logic program source, such as TV and VCR. Dolby Pro Logic II includes Dolby Pro Logic II Movie, Dolby Pro Logic II Music and Dolby Pro Logic.

Use this mode to suit the type of program (such as VCR).



This surround system reproduces theater-like surround sound from Dolby-encoded software.
The 3 Stereo mode will redirect the Surround signals to the front left and right speakers when only the front and center speakers are used.



Dolby Digital

The Dolby Digital mode lets you enjoy full digital surround from software processed in the Dolby Digital format. Dolby Digital provides better sound quality and more powerful presence than conventional Dolby Surround.

This unit is equipped with Dolby Digital 5.1-channel so that you can enjoy enhanced full digital surround sound. Being different from Dolby Pro Logic in which only four channels (Front Left, Front Right, Centre and Rear) are used, the new system provides stereo separation of the rear speakers (Rear-Right, Rear-Left). These 5 channels, together with the subwoofer channel for bass sounds (counted as 0.1 channel), constitute as 5.1-Channel (or 6 Channels) Input for Dolby Digital that brings you the most sophisticated sound enjoyment.

Advanced Sound Control

Stereo
The Stereo mode uses the two main channel outputs from the front speakers.

DSP (Digital Sound Processor)
These digital sound effects resemble sounds in a real environment such as Arena, Jazz, Theater, Stadium and Disco. DSP automatically converts analog audio signals to digital ones which enables you to adjust the sound without degrading the sound quality. Different modes will give you different feel of size and type of listening environment. (Not available in Dolby Digital (DVD))

Night Mode
By using Dynamic Range Compression technology (pressing OK), you can enjoy enhanced Dolby Digital sound quality at night without interrupting your roommates or neighbors. Night Mode will compress the difference in volume between normal voices and sound like explosions, while still enjoying a Dolby Digital enable component (DVD, SAT). Night Mode can be activated by pressing the **OK** button repeatedly until NORMAL appears on the display. While Normal is still on the display, press the **LEFT** or **RIGHT** Adjustment buttons on the remote control,around the **OK** button, on the remote control until you select the desired mode. There are three modes (NORMAL, SOFT, SOFTER) for you to choose the extents of compression.

Fine Setting of the Components
The receiver has pre-selected the best surround mode for you once you turn on the unit by pressing the **SOURCE** Buttons (like DVD/CD, SAT) directly. The default surround modes for different components are as tabled below.
If you decide to change the surround mode, you can press the **SURROUND** repeatedly to toggle among the different surround mode choices and select the one you want.

For Digital Signal (2ch PCM), or analog signal , VCR1, Tuner:
Dolby PL II Movie ➔ Dolby PL II Music ➔ Dolby PL ➔ Dolby 3 Stereo ➔ Arena ➔ Jazz ➔ Theater ➔ Stadium ➔ Disco ➔ Stereo

For Digital Signal (Dolby Digital)
Dolby Digital ➔ Dolby 3 Stereo ➔ Stereo

Default Settings
The receiver will keep the last selection in memory as long as it doesn't enter standby mode.

Source/ Source/ Input	If Digital Input (optical or coaxial) is selected	If PCM bitstream	If Analog Input selected
DVD/CD	Dolby Digital	PRO-LOGIC II MOVIE	PRO-LOGIC II MOVIE
SAT	Dolby Digital/	PRO-LOGIC II MOVIE	PRO-LOGIC II MOVIE
VCR	N/A	N/A	PRO-LOGIC II MOVIE
TUNER	N/A	N/A	PRO-LOGIC II MOVIE
TV	N/A	N/A	PRO-LOGIC II MOVIE

Input Signal Setting
The receiver defaults to the most convenient settings for your easiest use (see table).

By default, SAT (satellite) is set to analog input. If you wish to change the input formats, follow the steps below:
1. Press **SOURCE** on the main unit until SAT appears on the display or press the **SAT/CAB** source buttons on the remote control.
2. Press **DIGITAL** on the remote control to toggle among optical/ coaxial/ analog to match your connection. Your selection will be stored automatically.

Every time you press the source button, the input setting (e.g. SAT/ ANL) will be shown on display for a few seconds.

SOURCE	DEFAULT INPUT (as seen on display)
SAT	Analog (SAT/ ANL)
VCR1	Analog (VCR1/ ANL)
FM/AM	Built-in Tuner
TV	Analog (TV / ANL)

NOTE
Only SAT input setting can be changed to coaxial or optical.

SOURCE	AVAILABLE INPUT
SAT	ANL/Optical/Coaxial
DVD/CD	Built-in
VCR1	ANL only
TV	ANL only

Digital Input: Coaxial (COAX) / Optical (OPT)
Select this setting to play digital signals from a DVD, CD, LD player, or SAT. (SAT mode only)

CAUTION!
DO NOT CONNECT A LD PLAYER WITH RF COAXIAL OUTPUT TO YOUR COAXIAL INPUT.

Analog Input
Select this setting to play analog signals from a cassette deck, VCR or SAT.

NOTE
SAT and VCR are just generic names. You can connect other compatible audio/video components to these inputs like TV, TAPE, MINI DISC, CD-RW player, etc.

EN

Auto Switching

If the TV is connected to the system via a SCART cable, the TV will automatically switch to the right input when the receiver is powered on.

For example:
The cable is connected to AV1 on the TV and the TV is currently on AV2. When you turn on the receiver in DVD/CD mode, the TV will automatically switch to AV1 input.

SOURCE	TV Setting
DVD/CD	A/V mode
SAT	TV mode
VCR	TV mode
TV input	TV mode
TUNER	TV mode

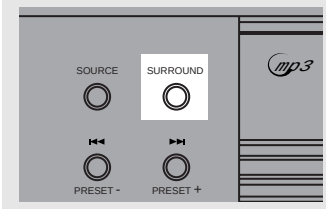
Fine Setting of the Speakers

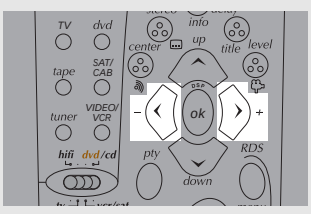
If you use all the speakers provided, all the basic settings have been set.

However, to make the surround sound more effective and suit the acoustic conditions in your listening room, you need to delay the signal from some of the speakers. Such channel delay compensates for center or surround speakers that are closer to listening position than the front speakers. You can make use of the **SOURCE** button to adjust the speakers' relative loudness.

The TEST button

Recommend to set the surround to one of the Dolby setting so that all speakers will be selected. To activate the Test Tone, press and hold the **SURROUND** button. A short noise will be heard in each speaker one by one. The speaker producing the noise at that moment will flash on the Speaker icon and be displayed on the VFD. The speaker being displayed can then be adjusted by using the **LEFT** or **RIGHT** arrows on the remote to desired level. To get out of Test Tone, just press **SURROUND** button and the setting will be saved.

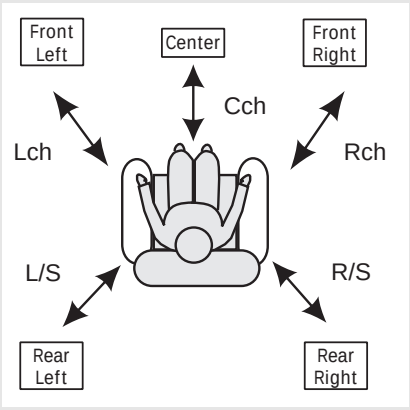




Advanced Setting

Factory Default Setting

The receiver speaker distance default settings are the following:



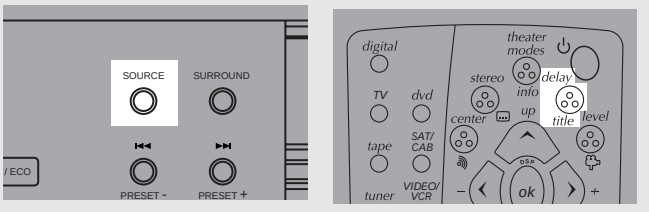
Front speakers (Lch/Rch) 4.5m

Center speaker (Cch) 4.5m

Rear speaker (L/S / R/S) 3.0m

Speaker Configurations

You can also change the delay of the speakers by pressing and holding the **SOURCE** button the main unit or the **delay** button on the remote control.



NOTE

You must set the unit to multichannel mode (Dolby Pro Logic II or Dolby Digital) by pressing the SURROUND button before entering Speaker delay mode.

Available Selections:

Front Speaker distance	0.9 - 12m
Center Speaker distance	0 - 12m
Rear Speaker distance	0 - 12m

Pressing **SOURCE** repeatedly while the display is still showing speaker distance setup. Set speaker selections or speakers' distance by pressing **PRESET +/ PRESET -** on the main unit or the **LEFT** / **RIGHT** arrows on the remote control.

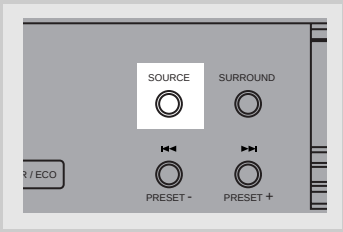
NOTE

Always use the subwoofer for optimum sound quality.

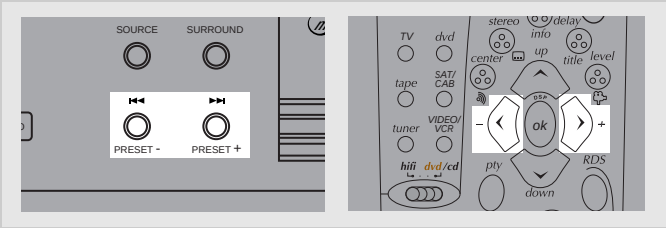
Advance Sound Control

• ***Speaker distance:*** For optimum surround experience measure the distance between the speaker and your favorite listening position.

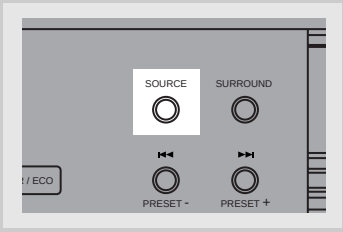
1. Press and hold **SOURCE** for 3 seconds



2. While the Display is showing FRNT 4.5m, press **PRESET +** or **PRESET** - on the main unit or **LEFT** or **RIGHT** arrow on the remote control to adjust the delay setting.



3. Press **SOURCE** once to move to the next delay setting.

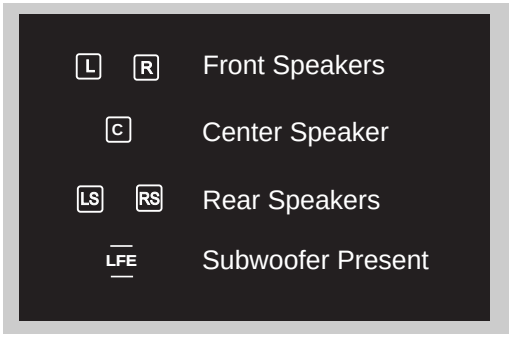


4. Repeat step 2 to set up the next speaker

5. When set up is done, wait for 5 seconds to automatically save your settings or press any source key to save your selection and set up mode.

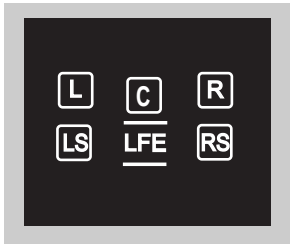
Speaker Icons

The receiver shows you the speakers' settings on the display with the following icons:



Displaying Program Formats

When a digital source is playing, the receiver will automatically switch to the proper surround mode and indicates on the speaker icons on the right-hand side of the display. (See diagram)



It is important to note, however, that not all Dolby Digital sources are encoded with the full complement of five channels plus LFE*. Speaker icons show how many and which speaker you have enabled (See "Fine Setting of the Speakers") and the letters inside the speaker icons show which channel is present in the source information. For example, the diagram shown means you have all the five speakers and subwoofer enabled and the digital sources you played have five channels plus LFE complemented. (Dolby Digital 5.1 Channels)

* LFE stands for Low Frequency Effect. The indication "LFE" appears if the digital source contains LFE information. In this case, the bass signal will be delivered to the subwoofer, offering more dynamic deep bass sound effects. If the letter is flashing, the signal is either too weak or just gone.